



IFW
Attorney Docket No.: P-5484-US

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: COHEN, Guy et al. Examiner: Not Yet Assigned
Serial No.: 10/695,449 Group Art Unit: 2818
Filed: October 29, 2003
Title: METHOD, SYSTEM AND CIRCUIT FOR PROGRAMMING A
NON-VOLATILE MEMORY ARRAY

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, this Information Disclosure Statement includes Form PTO-1449:

1. ☒ listing documents including patents, publications and other information for consideration by the Examiner, however, since the subject application was filed after June 30, 2003, copies of United States patents, and/or United States patent applications, and/or United States patent application publications are not included in this information disclosure statement; and/or
2. ☐ listing documents including patents, publications and other information that have been previously cited or submitted to the Patent Office in prior application U.S. Serial No. _____, filed _____ which is properly identified and relied on for an earlier effective filing date under 35 U.S.C. 120 for consideration by the Examiner; however, in accordance with 37 C.F.R. 1.98(d), copies of such documents are not included in this information disclosure statement; and/or
3. ☒ listing documents including patents, publications, and other information for consideration by the Examiner, copies of which are included with this information disclosure statement;

4. ☐ listing other information for the Examiner's consideration which was cited in a communication from a foreign patent office in a counterpart foreign application, a copy of which is included with this information disclosure statement.

The information herein cited is only in fulfillment of Applicant(s) duty of candor in disclosing all information brought to Applicant(s) attention. This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant(s) reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve(s) the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each and every document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application and is evidence that the Examiner has considered the document.

This Information Disclosure Statement is being filed:

I) ☒ Within three (3) months of filing the subject Application or entry of the subject Application into the national stage or before mailing of the first Office Action on the merits of the subject Application or a request for continued examination thereof, whichever event occurs last pursuant to 37 C.F.R. §1.97 (b); or

II) ☐ After the period specified in (I) but before the mailing date of either a final Official Action under 37 C.F.R. §1.113 or a notice of allowance under 37 C.F.R. §1.311 whichever occurs first and;

1. ☐ the undersigned hereby states that each item of information listed on the Form PTO-1449 was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to

the filing of this Information Disclosure Statement or (ii) not cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, not known to any individual designated in §1.56(c) more than three (3) months prior to the filing of this information disclosure statement; or

2. ☐ the undersigned hereby authorizes the Patent Office to charge the fee in the amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 05-0649.

III) ☐ After the period in (I) and (II) but before the payment of the issue fee and,

1. The undersigned hereby states:

a) ☐ that each item of information cited on the form PTO-1449 was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement; or

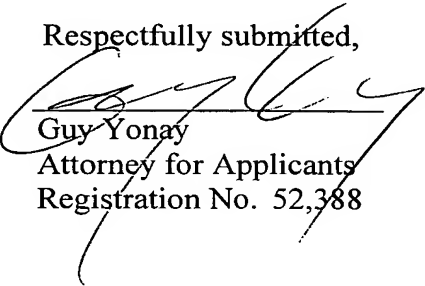
b) ☐ that no items of information contained in Form PTO-1449 was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; and

2. ☐ The undersigned hereby authorizes the Patent Office to charge the Petition fee in the Amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 05-0649.

APPLICANTS: COHEN, Guy et al.
SERIAL NO.: 10/695,449
FILED: October 29, 2003
Page 4

Except for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 05-0649.

Respectfully submitted,



Guy Yonay
Attorney for Applicants
Registration No. 52,388

Dated: December 9, 2004

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PTO/SB/08A (10-96)

Approved for use through 10/31/99. OMB 0651-0031

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Sheet

1

of

7

Application Number

10/695,449

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First Named Inventor

COHEN, Guy et al.

Group Art Unit

2818

Examiner Name

Not Yet Assigned

Attorney Docket Number

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1	5,926,409		Engh, et al.	07-20-1999	
	2	5,892,710		Fazio, et al.	04-06-1999	
	3	6,097,639		Choi, et al.	08-01-2000	
	4	6,292,394		Cohen, et al.	09-18-2001	
	5	6,396,741		Bloom, et al.	05-28-2002	
	6	5,991,202		Derhacobian, et al.	11-23-1999	
	7	5,677,869		Fazio, et al.	10-14-1997	
	8	5,751,637		Chen, et al.	05-12-1998	
	9	6,584,017		Maayan, et al.	06-24-2003	
	10	2003/0072192		Bloom, et al.	04-17-2003	
	11	6,320,786		Chang, et al.	11-20-2001	
	12	5,644,531		Kuo, et al.	07-01-1997	
	13	5,530,803		Chang, et al.	06-25-1996	
	14	4,761,764		Wantanabe	08-02-1998	
	15	6,519,182		Derhacobian, et al.	02-11-2003	
	16	6,438,031		Fastow	08-20-2002	
	17	6,643,177		Le, et al.	11-04-2003	
	18	6,639,849		Takahashi, et al.	10-28-2003	
	19	6,618,290		Wang, et al.	09-09-2003	
	20	6,590,811		Hamilton, et al.	07-08-2003	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	21	WO	01/84552		SAIFUN SEMICONDUCTORS LTD.	11-08-2001		<input type="checkbox"/>
	22	WO	03/088260		ADVANCED MICRO DEVICES, INC.	10-23-2003		<input type="checkbox"/>
	23	WO	03/063167		ADVANCED MICRO DEVICES, INC.	07-31-2003		<input type="checkbox"/>
	24	JP	10-106276		HITACHI LTD, HITACHI VLSI ENG CORP	04-24-1998		<input type="checkbox"/>
	25	JP	07193151		TOSHIBA CORP	07-28-1995		<input type="checkbox"/>
	26	JP	09162314		NEC CORP	06-20-1997		<input type="checkbox"/>
	27	EP	0 656 628		ADVANCED MICRO DEVICES, INC.	04-09-2003		<input type="checkbox"/>
	28	WO	03/088259		ADVANCED MICRO DEVICES, INC.	10-23-2003		<input type="checkbox"/>
	29	JP	408297988		SONY CORP	11-12-1996		<input type="checkbox"/>

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

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		Number	Kind Code ² (if known)			
	50	5,812,449		Song	09-22-1998	
	51	5,946,258		Evertt, et al.	08-31-1999	
	52	5,969,993		Takeshima	10-19-1999	
	53	6,034,896		Ranaweera, et al.	03-07-2000	
	54	6,157,570		Nachumovsky	12-05-2000	
	55	6,169,691		Pasotti, et al.	01-02-2001	
	56	5,172,338		Mehrotra, et al.	12-15-1992	
	57	5,293,563		Ohta, et al.	03-08-1994	
	58	5,345,425		Shikatani	09-06-1994	
	59	5,349,221		Shimoji	09-20-1994	
	60	5,359,554		Odake, et al.	10-25-1994	
	61	5,418,743		Tomioka, et al.	05-23-1995	
	62	6,181,605		Hollmer, et al.	01-30-2001	
	63	6,205,056		Pan, et al.	03-20-2001	
	64	6,215,148		Eitan	04-10-2001	
	65	6,240,032		Fukomoto	05-29-2001	
	66	6,240,040		Akaogi, et al.	05-29-2001	
	67	6,304,485		Harari, et al.	10-16-2001	
	68	6,331,950		Kuo, et al.	12-18-2001	
	69	6,490,204		Bloom, et al.	12-03-2002	

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		Number	Kind Code ² (if known)			
	70	2002/0132436		Eliyahu, et al.	09-19-2002	
	71	2002/0191465		Maayan, et al.	12-19-2002	
	72	5,689,459		Chang, et al.	11-18-1997	
	73	5,537,358		Fong	07-16-1996	
	74	5,450,341		Sawada, et al.	09-12-1995	
	75	5,450,354		Sawada, et al.	09-12-1995	
	76	5,422,844		Wolstenholme, et al.	06-06-1995	
	77	5,424,978		Wada, et al.	06-13-1995	
	78	5,434,825		Harari	07-18-1995	
	79	5,521,870		Ishikawa	05-28-1996	
	80	5,623,438		Guritz, et al.	04-22-1997	
	81	6,147,904		Liron	11-14-2000	
	82	09/730,586		Avni, et al.	12-07-2000 (Filing Date)	
	83	6,307,807		Sakui, et al.	10-23-2001	
	84	6,552,387		Eitan	04-22-2003	
	85	5,787,036		Okazawa	07-28-1998	
	86	5,870,335		Khan, et al.	02-09-1999	
	87	6,011,725		Eitan	01-04-2000	
	88	5,969,993		Takeshima	10-19-1999	
	89	2003/0156456		Shappir, et al.	08-21-2003	

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	90	5,822,256		Bauer, et al.	10-13-1998	
	91	2003/0142544		Maayan, et al.	07-31-2003	
	92	6,665,769		Cohen, et al.	12-16-2003	
	93	5,999,444		Fujiwara, et al.	12-07-1999	
	94	6,252,799		Liu, et al.	06-26-2001	
	95	6,636,440		Maayan, et al.	10-21-2003	
	96	2004/0008541		Maayan, et al.	01-15-2004	
	97	5,748,534		Dunlap, et al.	05-05-1998	
	98	6,353,554		Banks	03-05-2002	
	99	2002/0034097		Banks	03-21-2002	
	100	5,717,632		Richart, et al.	02-10-1998	
	101	6,643,170		Huang, et al.	11-04-2003	
	102	5,361,343		Kosonocky, et al.	11-01-1994	
	103	6,285,589		Kajitani	09-04-2001	
	104	6,442,074		Hamilton, et al.	08-27-2002	
	105	6,670,669		Kawamura	12-30-2003	
	106	6,639,844		Liu, et al.	10-28-2003	
	107	6,567,312		Torii, et al.	05-20-2003	
	108	6,477,085		Kuo	11-05-2002	
	109	6,522,585		Pasternak	02-18-2003	

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Examiner Signature		Date Considered	
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	128	Bude et al., "EEPROM/Flash Sub 3.0V drain - Source Bias Hot Carrier Writing", IEDM, 1995, pp. 989-992	<input type="checkbox"/>
	129	Bude et al., "Modeling Nonequilibrium Hot Carrier Device Effects", Conference of Insulator Specialists of Europe, Jun., 1997	<input type="checkbox"/>
	130	Ricco et al., "Nonvolatile Multilevel Memories for Digital Applications", Proceedings of the IEEE, Dec., 1998, pp. 2399-2421, Vol. 86, No. 12, Institute of Electrical and Electronics Engineers, Inc.	<input type="checkbox"/>
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